



1263.1793

PATENT APPLICATION

2171

#5  
8-29-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
ALEXANDER RALPH LYONS ET AL. ) : Examiner: Not Yet Assigned  
Application No.: 09/718,405 ) : Group Art Unit: 2171  
Filed: November 24, 2000 ) :  
For: IMAGE PROCESSING ) :  
APPARATUS ) : August 20, 2001

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AUG 23 2001  
Technology Center 2100

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AUG 27 2001

Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

The Examiner's attention is also directed to the following U.S. Applications:

<u>APPLICATION NO.</u>	<u>FILING DATE</u>	<u>GROUP ART UNIT</u>
09/718,342	11/24/00	2671
09/718,343	11/24/00	2622
09/718,413	11/24/00	2614
09/129,077	08/05/98	2621
09/129,079	08/05/98	2621
09/129,080	08/05/98	2785

A copy of each cited Application is enclosed.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

  
Attorney for Applicants

Registration No. 25,823

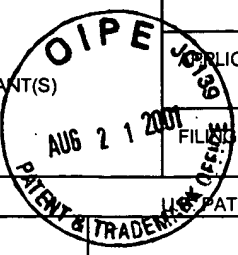
FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

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FORM PTO 1449 (modified)		ATTY DOCKET NO. 1263.1793		APPLICATION NO. 09/718,406	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Alexander Ralph Lyons Et al. Technology Center 2600			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE November 24, 2000		GROUP Not Yet Known	
U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	5,511,153	04/23/96	Azarbayejani et al.	395	119
	6,044,181	03/28/00	Szeliski et al.	382	284
					08/01/97
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS
	EP	0898245	02/24/99	EPO	G06T
	EP	0901105	03/10/99	EPO	G06T
					7/00
					7/00
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
		"Epipolar Geometry in Stereo, Motion and object Recognition". by Xu and Zhang, Chapter 2, Kluwer Academic Press, ISBN 0792341996.			
		"Euclidean Reconstruction from Uncalibrated Views" by Hartley in Applications of Invariance in Computer Vision: Proceedings of Second Joint Euro-US Workshop, Chapter 5, Ponta del Gada, Azores, Portugal, Oct 1993, Springer-Verlag, ISBN 0387582401.			
		"Efficient Bundle Adjustment with Virtual Key Frames: A Hierarchical Approach to Multi-Frame Structure from Motion" by Shum et al in Proceedings of the 1999 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, Volume 2, pp. 538-543, ISBN 0769501494.			
		"Calibration of Image Sequences for Model Visualisation" by Broadhurst and Cipolla in Proceedings of the 1999 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, Volume 1, pp.100-105, ISBN 0769501494.			
		"Multi-View 3D Estimation and Applications to Match Move" by Sawhney et al in 1999 IEEE Workshop on Multi-View Modelling and Analysis of Visual Scenes, pp. 21-28, ISBN 0769501109.			
		"Calibrating and 3D Modelling with a Multi-Camera System" by Wiles and Davison in 1999 IEEE Workshop on Multi-View Modelling and Analysis of Visual Scenes, pp. 29-36, ISBN 0769501109.			
		"Adaptive Least Squares Correlation: A Powerful Image Matching Technique" by A. W. Gruen in Photogrammetry Remote Sensing and Cartography, 14(3), 1985 pp. 175-187.			
		"Computer and Robot Vision Volume 2", Section 13.4.15, by R. M. Haralick and L. G. Shapiro, Addison-Wesley Publishing Company, 1993, pp. 85-91, ISBN 0-201-56943-4 (v.2).			
		"Numerical Recipes in C", Chapter 15.5, pp. 681-688 by Press et al, Cambridge University Press, ISBN 0-521-43108-5.			
		"Closed Form Solution of Absolute Orientation Using Unit Quaternions" by Horn in Journal of Optical Soc. of America 4(4), pp. 629-649, April 1987.			
		"Shape and Motion from Image Streams under orthography: a Factorization Method" by Tomasi and Kande, IJCV 9:2, 137154 (1992), pp. 137-154			
EXAMINER			DATE CONSIDERED		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO.1449 (modified)		ATTY DOCKET NO. <b>1263.1793</b>		APPLICATION NO. <b>09/718,405</b>	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<div style="float: right; text-align: right;"> <b>RECEIVED</b>  <b>AUG 27 2001</b>  <b>Technology Center 2600</b> </div>			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		<div style="text-align: center;">  </div>		APPLICANT <b>Alexander Ralph Lyons Et al</b> FILING DATE <b>November 24, 2000</b> GROUP <b>Not Yet Known</b>	
U.S. PATENT DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUBCLASS
					<div style="float: right; text-align: right;"> <b>RECEIVED</b>  <b>AUG 23 2001</b>  <b>Technology Center 2100</b> </div>
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
		"Systems and Experiment Paper: Construction of Panoramic Image Mosaics with Global and Local Alignment" by Shum and Szeliski in International Journal of Computer Vision 36(2), pp. 101-130 (2000).			
		"A unifying Framework for Structure and Motion Recovery from Image Sequences" by P.F. McLauchlan and D.W. Murray in Proc 5th International Conf. on Computer Vision, Boston, pp. 314-320, June 1995			
		"The Variable State Dimension Filter applied to Surface-Based Structure from Motion" by Philip F. McLauchlan, CVSSP Technical Report VSSP-TR-4/99, pp. 1-52			
EXAMINER		DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.